

1023-05-1151

Sharon L Sullivan* (sullivan@catawba.edu), 2300 W. Innes Street, Catawba College,
Mathematics Department, Salisbury, NC 28144. *Counting Isomorphic (16,6,2) Configurations to a
particular (16,6,2) Design.*

We will examine a particular (16,6,2) configuration by counting the number of isomorphic (16,6,2) designs there are to it. In doing so, we will give the automorphism group of this design. In addition, we will give a few examples of interesting subconfigurations that arise. (Received September 25, 2006)